

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021717.D
 Acq On : 31 Mar 2025 14:14
 Operator : SY/MD
 Sample : Q1671-03
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Apr 01 06:56:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

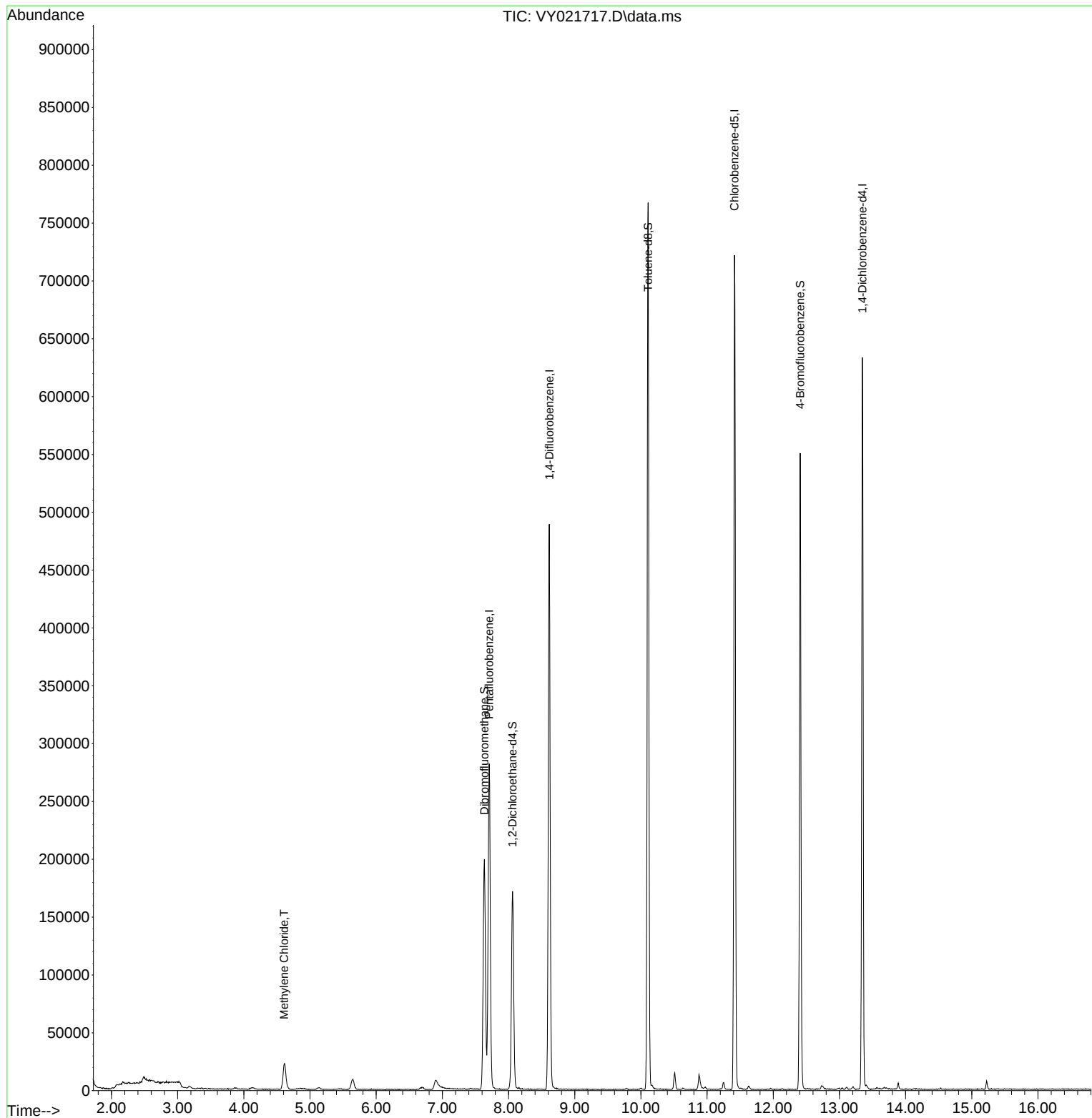
Internal Standards						
1) Pentafluorobenzene	7.707	168	209388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	399133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	376455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	154305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136900	60.344	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.680%	
35) Dibromofluoromethane	7.634	113	139507	53.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.760%	
50) Toluene-d8	10.109	98	490664	49.815	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.620%	
62) 4-Bromofluorobenzene	12.408	95	158141	47.466	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.940%	
Target Compounds						
20) Methylene Chloride	4.610	84	15548	3.225	ug/l	Qvalue # 93

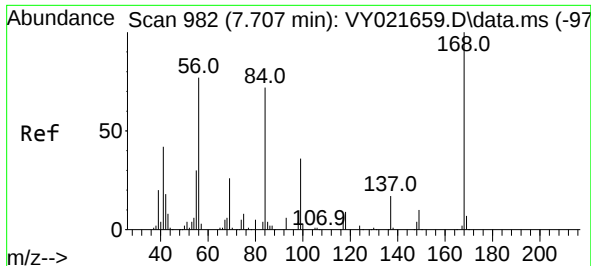
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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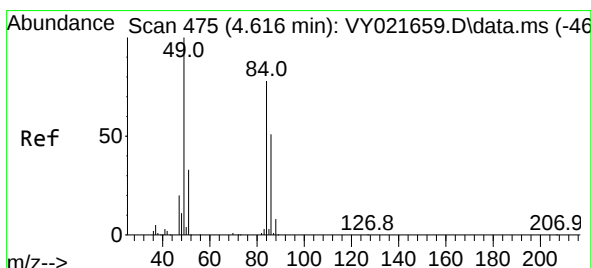
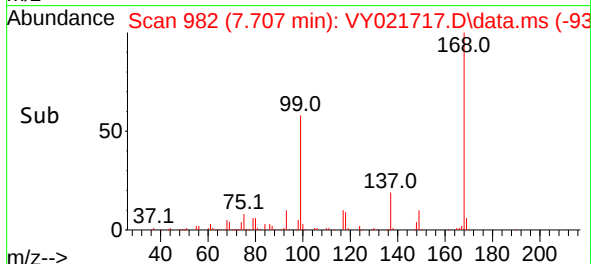
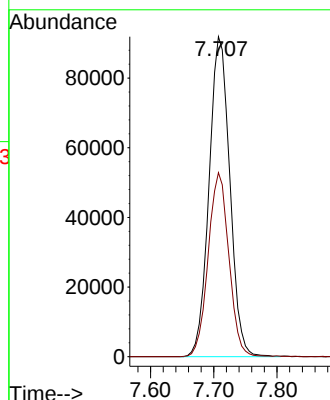
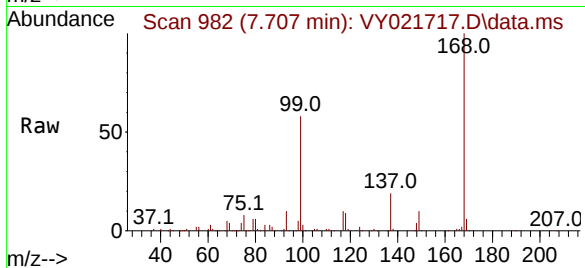




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

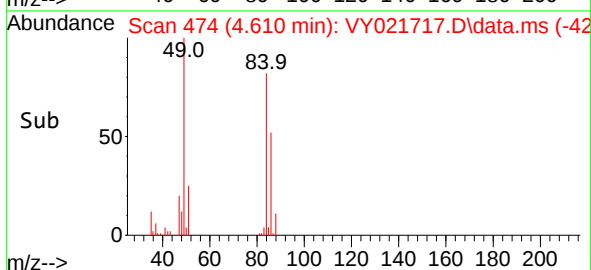
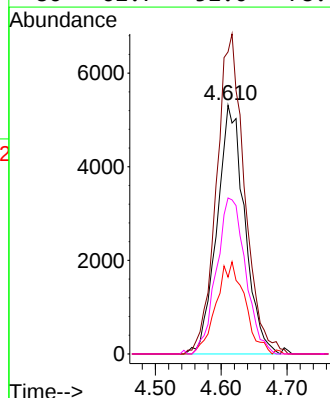
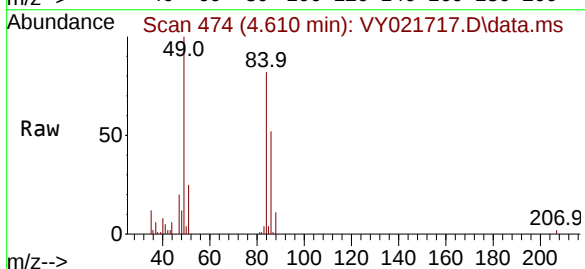
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

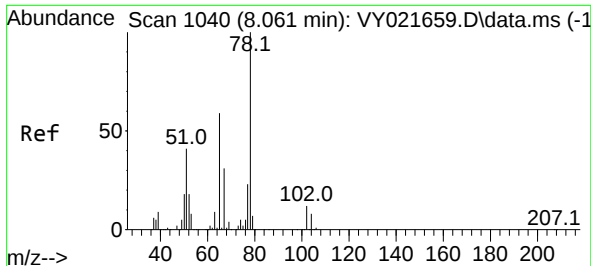
Tgt Ion:168 Resp: 209388
Ion Ratio Lower Upper
168 100
99 57.5 46.7 70.1



#20
Methylene Chloride
Concen: 3.225 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 84 Resp: 15548
Ion Ratio Lower Upper
84 100
49 121.5 102.8 154.2
51 30.9 33.5 50.3#
86 62.7 52.0 78.0





#33

1,2-Dichloroethane-d4

Concen: 60.344 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

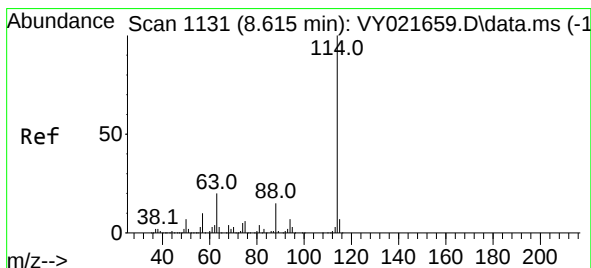
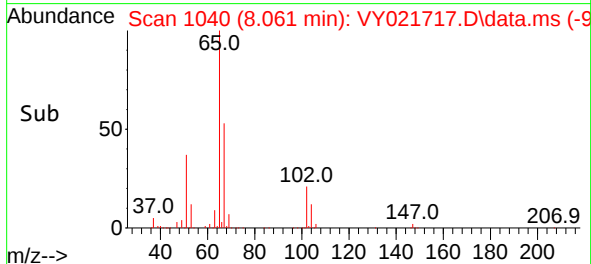
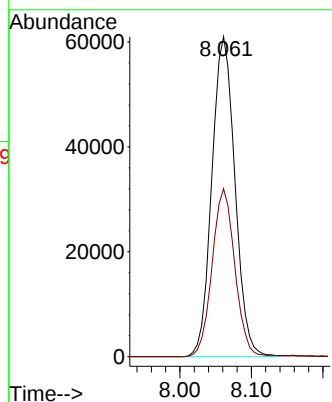
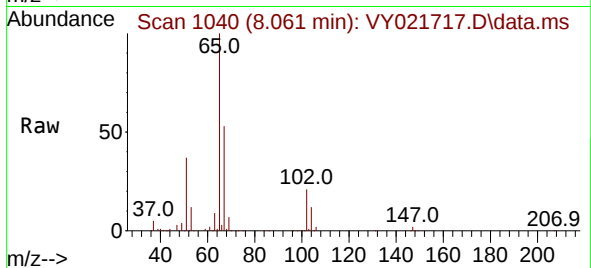
WC-1-VOC

Tgt Ion: 65 Resp: 136900

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021717.D

Acq: 31 Mar 2025 14:14

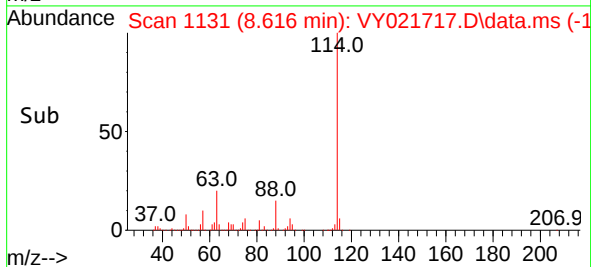
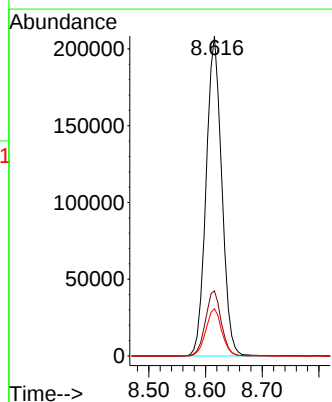
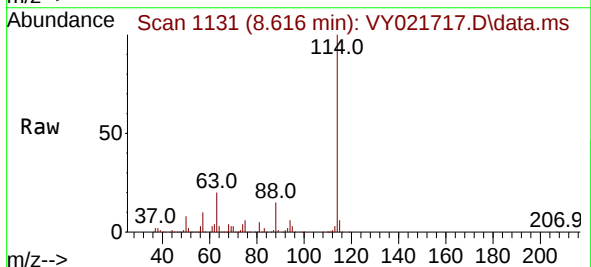
Tgt Ion: 114 Resp: 399133

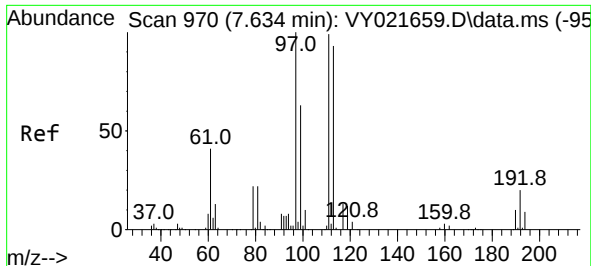
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 14.7 0.0 29.8

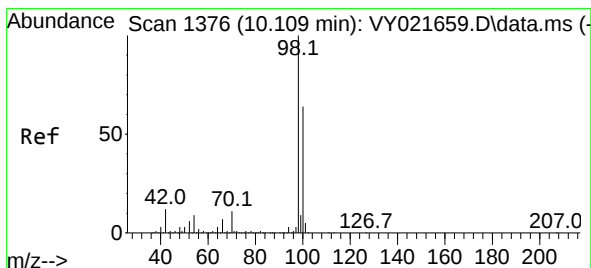
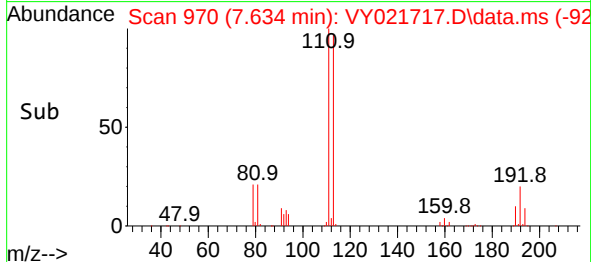
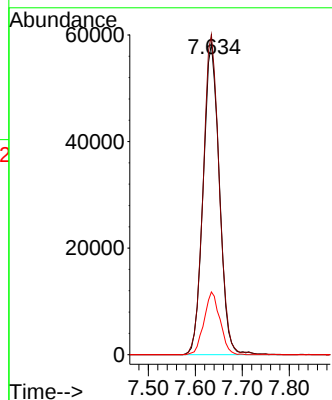
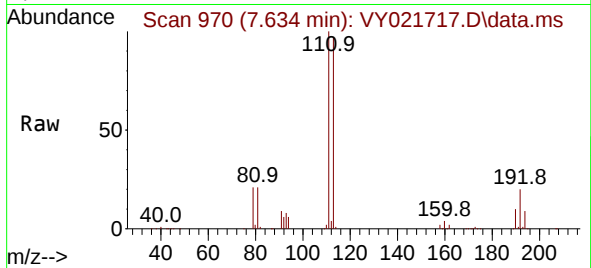




#35
Dibromofluoromethane
Concen: 53.882 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

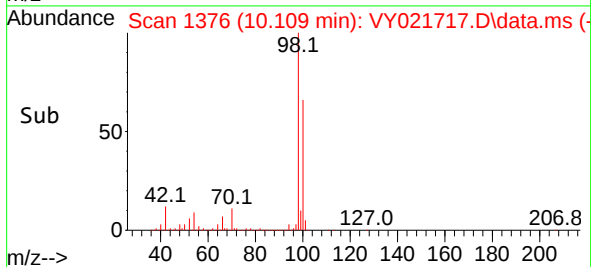
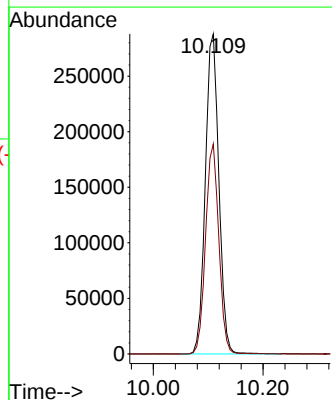
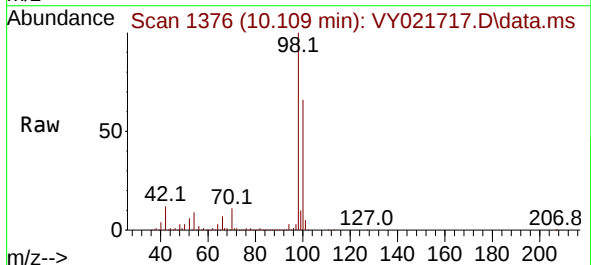
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

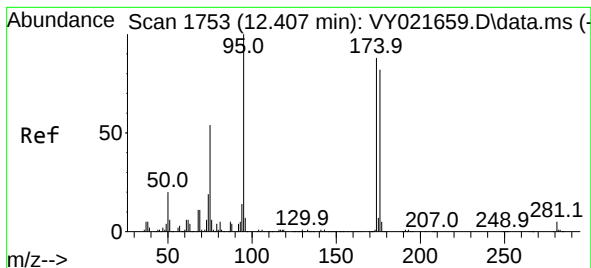
Tgt Ion:113 Resp: 139507
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.9 16.2 24.4



#50
Toluene-d8
Concen: 49.815 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

Tgt Ion: 98 Resp: 490664
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

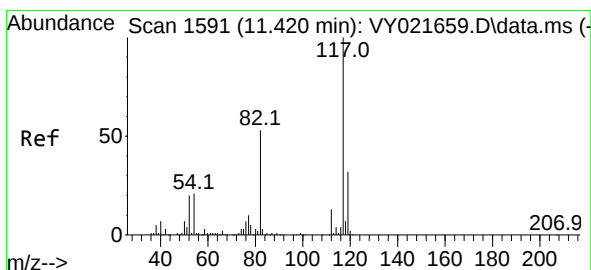
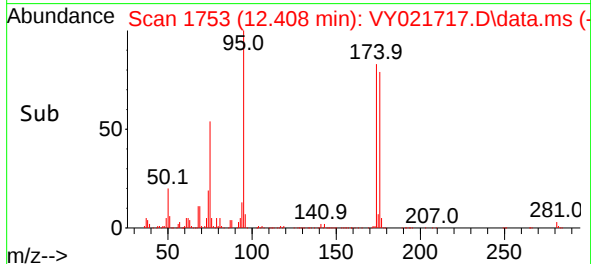
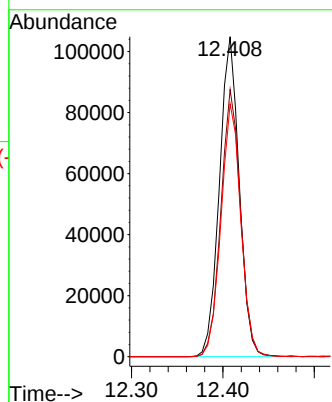
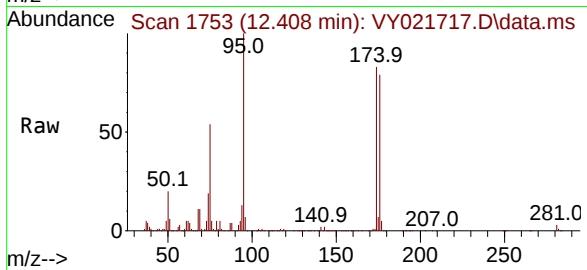




#62
4-Bromofluorobenzene
Concen: 47.466 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

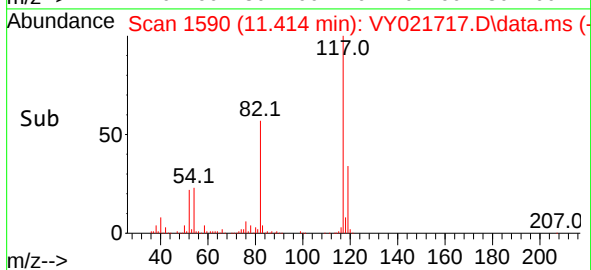
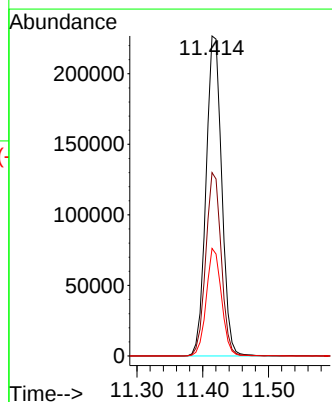
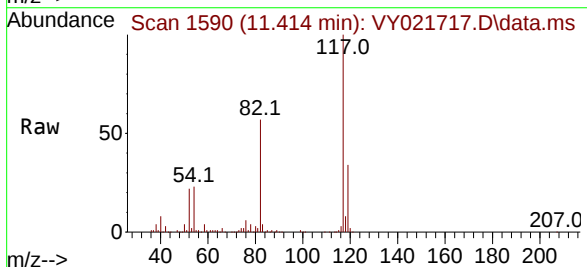
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

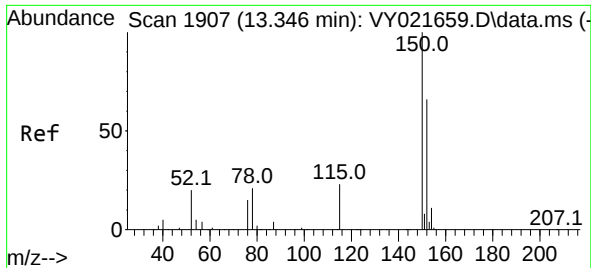
Tgt Ion: 95 Resp: 158141
Ion Ratio Lower Upper
95 100
174 83.2 0.0 170.8
176 79.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021717.D
Acq: 31 Mar 2025 14:14

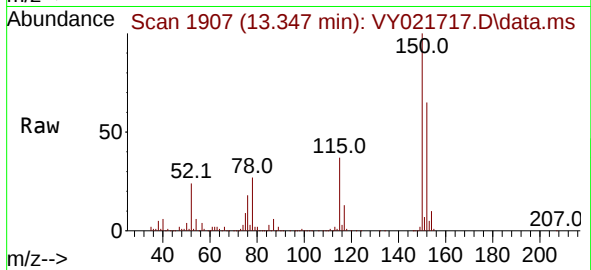
Tgt Ion: 117 Resp: 376455
Ion Ratio Lower Upper
117 100
82 57.3 42.8 64.2
119 33.6 25.7 38.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021717.D
 Acq: 31 Mar 2025 14:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC



Tgt Ion:	152	Resp:	154305
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.8	86.5
150	155.0	0.0	348.4

